

KIT 2.5

Improve processing efficiency for enhanced value.



Impact	Growers capture greater value through supplying grains that meet current specifications and target new processing methods and products.
Summary	<ul style="list-style-type: none">• Supply chain partners understand the impacts of varieties, regions and climates on grain processing functionality.• Improvements in grain testing and segregation enhance the ability of growers to capture value in the supply chain.• New grain functionality complements 'clean labels', reduced water and energy use, and ingredient additives or substitutes to create additional value.• Technical information, skills and capacity development enable the grains industry to capture greater value from supply chains and new functionality and processing methodology.

SCOPE

INVESTMENT OUTCOMES

Understanding of variation in grain production and quality and its impact on processing



2.5.1. The grains industry has an improved understanding of how grain composition and functionality are affected by changes in variety, region and climate.

Identification and delivery of opportunities to manage current variation in grain production and quality to optimise processing efficiency



2.5.2. The grains industry has the knowledge and understanding to capture the opportunities of cost-effective differentiation and/or segregation along the grain supply chain.

2.5.3. The grains industry has the knowledge and capacity to precisely meet grain purchase specifications through the application of new testing methods and tools.

Identification and delivery of opportunities to create new grain quality and new variation in processing methodology



2.5.4. The grains industry has access to new grain products that contribute to improved processing efficiency.

2.5.5. The grains industry has access to new processing methods that can deliver greater value to supply chain participants.

Identification and delivery of opportunities to achieve greater value through value chain communications and education



2.5.6. The grains industry has access to materials and training that facilitate improved sourcing of grain to optimise processing efficiency.

2.5.7. The grains industry has the skills and capacity in grain quality research, testing services, process development and product innovation to service supply chain participants effectively.

Note: This revised KIT replaces KITs 2.5 and 2.6 as shown in the GRDC Research, Development and Extension Plan 2018–23.